

**ABSTRACT OF THE DISCLOSURE**

The present invention discloses a power supply device, particularly for supplying a controlled electrical signal in an electrochemical process, e.g., plating, etching, etc. The power delivery device provides an electrical signal with optimal characteristics and setting for processing one or more surfaces in an electrochemical process. The power delivery device comprises a power stage having an input for receiving a power signal and an output being operably connected to the object. A sensor is operably connected to the output. A controller is operably connected to the output and responsive to the sensor. A modulator is operably connected between the controller and the power stage wherein the power stage outputs the electrical signal to the object in response to the modulator and the controller.